



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

January 7, 2005

Mr. Bill Arrington
NCDOT Coordinator
2877 Highway 70
Beaufort, North Carolina, 28516

Dear Sir:

Subject: **Application for CAMA Major Development Permit** for the proposed replacement of Bridge No. 116 on SR 1520 over Shaken Creek, Pender County, Division 3. Federal-Aid Project No. BRZ-1520 (3), State Project No. 8.2271401, WBS Element 33326.1.1; TIP No. B-3887.

Please find enclosed copies of the Coastal Area Management Act (CAMA) permit application (MP, MP2 & MP5), Categorical Exclusion (CE), permit drawings, half size plans, North Carolina Division of Water Quality Stormwater Exemption, EEP acceptance letter, green cards from the Adjacent Riparian Land Owners, and a method of debiting \$400 to be submitted to the DCM for processing the CAMA permit.

The NCDOT proposes to replace Bridge No. 116 on SR 1520 over Shaken Creek. Bridge No. 116 is currently 87 feet in length, consisting of five spans with the maximum span at approximately 18 feet. The clear roadway width for the structure is 19.2 feet, providing two nine foot travel lanes with 0.6 foot shoulders. The proposed bridge will replace Bridge No. 116 with a new cored slab bridge approximately 115 feet in length. The new bridge will have three spans, one at 35 feet, one at 50 feet and one at 30 feet with two steel pile interior bents and spill through end bents. The new structure will provide a 28-foot clear roadway width providing two 11-foot travel lanes, including three-foot shoulders. The proposed approach roadway will consist of two 11-foot travel lanes with four-foot grass shoulders. The bridge is designed for top down construction and no bents will be placed in the water.

Bridge Maintenance Unit records indicated the Bridge No. 116 has a sufficiency rating of 14.7 out of a possible 100 for a new structure. The bridge is considered functionally obsolete and structurally deficient. The replacement of an inadequate structure will result in safer and more efficient traffic operations.

Areas of Environmental Concern (AEC's) potentially impacted by this project include Public Trust Areas or Shaken Creek. Wetlands associated with the floodplain of Shaken Creek exhibit characteristics of a palustrine, broad leaved, deciduous forest.

An on-site field meeting was held on May 18, 2004. Attendees of this meeting include: Bill Arrington (NC Division of Coastal Management (DCM)) and Cheryl Knepp (NCDOT Office of Natural Environment (ONE)). This meeting addressed the following issues:

- Description of the proposed bridge replacement as compared to the existing bridge. Construction techniques for the bridge replacement including placement of piles and how they are constructed, and what type of bridge will be constructed.
- No bents will be placed in the water.
- Utility work to be done. Hand Clearing 0.06 acres of wetlands to the Permanent Utility Easement (PUE) for moving and maintaining electrical utility. Power lines must be clear of any obstruction within 15 feet. No permanent impact will be associated with this clearing.
- Concerns with mechanized clearing in wetlands on the east side of the road, revision of plans was necessary to reflect Hand Clearing methods instead.
- Mechanized Clearing in the wetland on the west side of SR 1520 will have to be conducted because these wetlands are located within the fill slope. Mechanized Clearing is necessary for road stabilization when wetlands occur inside the fill slopes.
- Removal of the existing bridge and following BMPs.

PROPOSED IMPACTS TO WATERS OF THE UNITED STATES

General Description: Shaken Creek is located in the Cape Fear River Basin (Hydrological Cataloging Unit 03030001) and classified by the Division of Water Quality as **C Sw**. **Neither High Quality Waters (HQW), Water Supplies (WS-I or WS-II), nor Outstanding Resource Waters (ORW) occur within 1.0 mile of the project area.**

The structure targeted for replacement spans the open water stream associated with Shaken Creek. There is no direct involvement of additional streams or tributaries. This section of Shaken Creek has been assigned Stream Index Number 18-74-33-4 by the NCDWQ. Shaken Creek is a tributary of and joins with Holly Shelter Creek approximately 200 feet downstream (west) of Bridge No. 116. National Wetland Index (NWI) mapping indicates that floodplains of Shaken Creek exhibit characteristics of a palustrine, broad-leaved, deciduous forest system that is seasonally flooded [PFO1C; (Cowardin *et al.* 1979)]. Field investigations indicate that floodplain wetlands occur along both sides of Shaken Creek east of SR 1520 and on the north side of Shaken Creek west of SR 1520.

Wetland Impacts: Permanent impacts to wetlands associated with this project total 0.017 acre, including 0.009 acre of permanent fill and 0.008 acre due to mechanized clearing. The permanent fill is due to the widening of the road. The mechanized clearing is due to fill slope construction and maintenance (see Wetland Impact Summary Sheet 7 of 7).

Mechanized Clearing is necessary for road stabilization when wetlands occur inside the fill slopes.

Utility Impacts: There will be no permanent utility impacts associated with this site. Any necessary clearing of wetlands for the Permanent Utility Easement [(PUE) aerial utility relocation] will utilize hand clearing techniques. Hand Clearing will result in a temporary impact of 0.06 acres in jurisdictional wetlands (see permit drawing sheet 4 of 7). Bell South will be directional boring the wetlands and creek approximately 75 feet right of -L- from approximate station 14+77 to 16+65.

Stream Impacts: Permanent impacts to the stream are limited to bridge shading; bridging will not result in fill or dredging of wetlands/waters of the United States, and encroachment into the stream will be avoided.

Bridge Demolition: Bridge No. 116 is 87 feet long, consisting of five spans with the maximum span at approximately 18-feet. The superstructure consists of a timber floor on timber joists with an asphalt-wearing surface. The substructure is a timber abutment design. The interior bents consist of timber caps on timber piles. In order to protect the water quality and aquatic life in the area affected by this project, the NCDOT and all potential contractors will follow appropriate guidelines for bridge demolition and removal. These guidelines are presented in three NCDOT documents entitled “Pre-Construction Guidelines for Bridge Demolition and Removal”, “Policy: Bridge Demolition and Removal in Waters of the United States”, and “Best Management Practices for Bridge Demolition and Removal” (all documents dated 9/20/99).

Dropping any portion of the structure into waters of the United States will be avoided unless there is no other practical method of removal. In the event that no other practical method is feasible, a worst-case scenario is assumed for calculations of fill entering waters of the US. Since Bridge No. 116 is composed completely of steel and timber, there is little potential for components of the bridge to be dropped in the water. Therefore, no temporary fill is expected to result from bridge removal. NCDOT will coordinate with the various resource agencies during project planning to ensure that any concerns regarding bridge demolition are resolved. Within Pender County, both inland and estuarine surface waters and wetlands are considered to be high quality habitat and have been designated as Areas of Environmental Concern (AECs) by the NC Department of Coastal Management (DCM). Consideration will be given to avoid disturbances within these areas whenever practicable.

Anadromous fish use this section of Shaken Creek including river herring, striped bass, American and hickory shad. The in water moratorium for these anadromous fish is February 15 to June 15. Sunfish also occupy these waters and require a moratorium from April 1 to June 30. There is no in water work planned due to the top down construction of the bridge, therefore, the anadromous fish moratorium on in water construction should not be an issue.

Schedule for Construction: It is assumed that the Contractor will begin construction of the proposed bridge shortly after the date of availability for the project. The let date is April 19, 2005 with a date of availability of May 31, 2005.

AVOIDANCE, MINIMIZATION AND MITIGATION

Avoidance examines all appropriate and practicable possibilities of averting impacts to “Waters of the United States”. The NCDOT is committed to incorporating all reasonable and practicable design features to avoid and minimize jurisdictional impacts, and to provide full compensatory mitigation of all remaining, unavoidable jurisdictional stages; minimization measures were incorporated as part of the project design.

The impacts to Shaken Creek are minimized by using a maximum slope of 3:1 in the wetlands, replacing the existing bridge in its current location, and top down construction of the bridge, which eliminates the need for a temporary work bridge or causeway. The impacts to Shaken Creek are also minimized by replacing Bridge No. 116 with a new bridge that will span the creek with no bents in the water. The impacts to the wetlands on the east side of the bridge were avoided by using hand clearing techniques for the utility relocation rather than mechanized clearing. However, not all impacts were avoided so compensatory mitigation will be required for 0.017 acre of wetland impact. The Ecosystem Enhancement Program has confirmed that they will provide mitigation for all impacts (see attached letter).

FEDERALLY PROTECTED SPECIES

Plants and animals with federal classifications of Endangered (E), Threatened (T), Proposed Endangered (PE), and Proposed Threatened (PT) are protected under provisions of Section 7 of the Endangered Species Act of 1973, as amended.

As of January 29, 2003 the U.S. Fish and Wildlife Service (USFWS) lists eleven federally protected species for Pender County (Table 1). No species have been added to or deleted from this list since the completion of the referenced document. A survey for these species and habitat was conducted on January 4, 2001 and June 19, 2001. Habitat was found for two of the eleven species, however no specimens of these species were found during the survey. Therefore, biological conclusions of “No Effect” were given for those species requiring biological conclusions. Since biological conclusions for species that have habitat expire after two years, a re-survey of the project area was conducted July 10, 2003, for the two species with suitable habitat. These surveys were conducted during the flowering period for rough leaved loosestrife and Cooley’s meadowrue. A plant by plant survey revealed neither species, therefore a biological conclusion of “No Effect” was be given.

Table 1. Federally-Protected Species for Pender County

Scientific Name	Common Name	Status	Habitat Determination	Biological Conclusion*
<i>Trichechus manatus</i>	Manatee	E	No	No Effect
<i>Picoides borealis</i>	Red-cockaded woodpecker	E	No	No Effect
<i>Charadrius melodus</i>	Piping plover	T	No	No Effect
<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	No	Not Required
<i>Caretta caretta</i>	Loggerhead Sea Turtle	T	No	No Effect
<i>Acipenser brevirostrum</i>	Shortnose sturgeon	E	No	No Effect
<i>Amaranthus pumilus</i>	Seabeach amaranth	T	No	No Effect
<i>Carex lutea</i>	Golden sedge	E(P)	No	No Effect
<i>Lysimachia asperulaefolia</i>	Rough leaved loosestrife	E	Yes	No Effect
<i>Schwalbea americana</i>	American chaffseed	E	No	No Effect
<i>Thalictrum cooleyi</i>	Cooley's meadowrue	E	Yes	No Effect

* Based on latest survey of July 10, 2003.

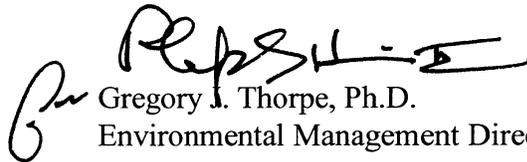
Essential Fish Habitat: The 1996 amendments to the Magnuson-Stevens Fishery Management and Conservation Act (MSFCMA) set forth a new mandate for the National Marine Fisheries Service (NMFS), regional fishery management councils (FMC) and other Federal agencies to identify and protect important marine and anadromous fish habitat. The FMCs, with the assistance from NMFS, have delineated “essential fish habitat” (EFH) for managed species. In the South Atlantic region, waterbodies in Currituck County are listed in which EFHs are found. Shaken Creek is not a listed waterbody for EFHs. Therefore, the rules of the MSFCMA will not apply for this project. Fritz Rhode of the Division of Marine Fisheries Service was contacted on April 19, 2004, and recommended that an EFH assessment not be done for this project.

REGULATORY APPROVALS

NCDOT requests that the proposed work be authorized under a Coastal Area Management Act General Major Development Permit. A permit processing fee of \$400 will be provided as indicated in the subject line. NCDOT will also be applying for issuance of a United States Army Corps of Engineers NWP 23. The NCDOT will adhere to all general conditions of the Water Quality Certification. Therefore, in accordance with 15A NCAC 2H, Section .0500(a) we are providing two copies of this application to the North Carolina Department of Environmental and Natural Resources, Division of Water Quality, for their review.

Thank you for your assistance with this project. If you have any questions or need additional information please call Cheryl Knepp at (919) 715-1489.

Sincerely,


Gregory J. Thorpe, Ph.D.
Environmental Management Director, PDEA

cc:

w/attachment

Mr. John Hennessy, Division of Water Quality (2 copies)

Mr. Gary Jordan, USFWS

Mr. Travis Wilson, NCWRC

Ms. Cathy Brittingham, NCDCM

Mr. Greg Perfetti, P.E., Structure Design

Dr. David Chang, P.E., Hydraulics

Mr. Allen Pope, Division 3 Engineer

Mr. Mason Herndon, Division Environmental Officer

Mr. Mark Staley, Roadside Environmental

w/o attachment

Mr. Jay Bennett, P.E., Roadway Design

Mr. Omar Sultan, Programming and TIP

Mr. Art McMillan, P.E., Highway Design

Ms. Stacy Baldwin, P.E., PDEA Project Planning Engineer

Mr. David Franklin, USACE, Wilmington

Mr. Dave Timpy, USACE

Ms. Beth Harmon, EEP

Mr. Carl Goode, PE

APPLICATION

(To be completed by all applicants)

1. APPLICANT

a. Landowner:

Name NC DEPT. OF TRANSPORTATION

Address 1598 MAIL SERVICE CENTER

City RALEIGH State NC

Zip 27699-1598 Day Phone 919-715-1500

Fax 919-715-1501

b. Authorized Agent:

Name _____

Address _____

City _____ State _____

Zip _____ Day Phone _____

Fax _____

c. Project name (if any) B-3887 BRIDGE #116
OVER SHAKEN CREEK

NOTE: Permit will be issued in name of landowner(s), and/or project name.

2. LOCATION OF PROPOSED PROJECT

a. County PENDER

b. City, town, community or landmark

MAPLE HILL

c. Street address or secondary road number

SR 1520

d. Is proposed work within city limits or planning jurisdiction? Yes No

e. Name of body of water nearest project (e.g. river, creek, sound, bay) SHAKEN CREEK

3. DESCRIPTION AND PLANNED USE OF PROPOSED PROJECT

a. List all development activities you propose (e.g. building a home, motel, marina, bulkhead, pier, and excavation and/or filling activities).

REPLACE EXISTING BRIDGE WITH
A NEW BRIDGE AND NEW ROADWAY
APPROACHES

b. Is the proposed activity maintenance of an existing project, new work, or both? NEW WORK

c. Will the project be for public, private or commercial use? PUBLIC TRANSPORTATION

d. Give a brief description of purpose, use, methods of construction and daily operations of proposed project. If more space is needed, please attach additional pages. TO REPLACE OLD STRUCTURE
WITH A NEW STRUCTURE AND NEW
ROADWAY APPROACHES. TOP-DOWN
CONSTRUCTION METHOD WILL BE
USED.

site. Include highway or secondary road (SR) numbers, landmarks, and the like.

- A Stormwater Certification, if one is necessary.
- A list of the names and complete addresses of the adjacent waterfront (riparian) landowners and signed return receipts as proof that such owners have received a copy of the application and plats by certified mail. Such landowners must be advised that they have 30 days in which to submit comments on the proposed project to the Division of Coastal Management. Upon signing this form, the applicant further certifies that such notice has been provided.

Name SEE ATTACHED PERMIT
 Address _____
 Phone _____

Name _____
 Address _____
 Phone _____

Name _____
 Address _____
 Phone _____

- A list of previous state or federal permits issued for work on the project tract. Include permit numbers, permittee, and issuing dates.

- A check for \$250 made payable to the Department of Environment, Health, and Natural Resources (DEHNR) to cover the costs of processing the application.
- A signed AEC hazard notice for projects in oceanfront and inlet areas.
- A statement of compliance with the N.C. Environmental Policy Act (N.C.G.S. 113A - 1 to 10) If the project involves the expenditure of public funds or use of public lands, attach a statement documenting compliance with the North Carolina Environmental Policy Act.

6. CERTIFICATION AND PERMISSION TO ENTER ON LAND

I understand that any permit issued in response to this application will allow only the development described in the application. The project will be subject to conditions and restrictions contained in the permit.

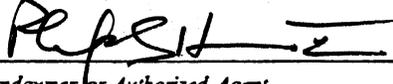
I certify that to the best of my knowledge, the proposed activity complies with the State of North Carolina's approved Coastal Management Program and will be conducted in a manner consistent with such program.

I certify that I am authorized to grant, and do in fact, grant permission to representatives of state and federal review agencies to enter on the aforementioned lands in connection with evaluating information related to this permit application and follow-up monitoring of the project.

I further certify that the information provided in this application is truthful to the best of my knowledge.

This is the 7th day of JANUARY 2005.

Print Name Philip S. Harris III

Signature 
 Landowner or Authorized Agent

Please indicate attachments pertaining to your proposed project.

- DCM MP-2 Excavation and Fill Information
- DCM MP-3 Upland Development
- DCM MP-4 Structures Information
- DCM MP-5 Bridges and Culverts
- DCM MP-6 Marina Development

NOTE: Please sign and date each attachment in the space provided at the bottom of each form.

EXCAVATION AND FILL

(Except bridges and culverts)

Attach this form to Joint Application for CAMA Major Permit, Form DCM-MP-1. Be sure to complete all other sections of the Joint Application that relate to this proposed project.

Describe below the purpose of proposed excavation or fill activities. All values to be given in feet.

	Length	Width	Average Existing Depth	Final Project Depth
Access channel (MLW) or (NWL)				
Canal				
Boat basin				
Boat ramp				
Rock groin				
Rock breakwater				
FILL IN WETLANDS Other (Excluding shoreline stabilization)	28'	13'		

1. EXCAVATION

- a. Amount of material to be excavated from below MHW or NWL in cubic yards N/A
- b. Type of material to be excavated N/A
- c. Does the area to be excavated include coastal wetlands (marsh), submerged aquatic vegetation (SAVs) or other wetlands? Yes No
- d. Highground excavation in cubic yards 232 cy

2. DISPOSAL OF EXCAVATED MATERIAL

- a. Location of disposal area TO BE DETERMINED BY CONTRACTOR
- b. Dimensions of disposal area N/A
- c. Do you claim title to disposal area? Yes No
If no, attach a letter granting permission from the owner.
- d. Will a disposal area be available for future maintenance? Yes No
If yes, where? _____

e. Does the disposal area include any coastal wetlands (marsh), SAVs or other wetlands?
 Yes No

f. Does the disposal include any area in the water?
 Yes No

3. SHORELINE STABILIZATION N/A

- a. Type of shoreline stabilization
 Bulkhead Riprap
- b. Length _____
- c. Average distance waterward of MHW or NWL

- d. Maximum distance waterward of MHW or NWL

- e. Shoreline erosion during preceding 12 months

(Source of information) _____
- f. Type of bulkhead or riprap material _____
- g. Amount of fill in cubic yards to be placed below water level
(1) Riprap _____
(2) Bulkhead backfill _____
- h. Type of fill material _____
- i. Source of fill material _____

4. OTHER FILL ACTIVITIES
(Excluding Shoreline Stabilization)

a. Will fill material be brought to site?
 Yes No

If yes,

- (1) Amount of material to be placed in the water NONE
- (2) Dimensions of fill area SEE PERMIT
- (3) Purpose of fill PROPOSED ROADWAY

b. Will fill material be placed in coastal wetlands (marsh), SAVs or other wetlands?

- Yes No (W) (L)
- (1) Dimensions of fill area 13' X 28'
SEE PERMIT
 - (2) Purpose of fill TO CONSTRUCT ROADWAY EMBANKMENT

5. GENERAL

- a. How will excavated or fill material be kept on site and erosion controlled? NCDOT HIGH QUALITY WATER EROSION CONTROL METHODS WILL BE USED
- b. What type of construction equipment will be used (for example, dragline, backhoe, or hydraulic dredge)?
STANDARD BRIDGE AND ROADWAY CONSTRUCTION EQUIPMENT
- c. Will wetlands be crossed in transporting equipment to project site? Yes No
If yes, explain steps that will be taken to lessen environmental impacts. _____

NCDOT
Applicant or Project Name
[Signature]
Signature
1/7/05
Date

BRIDGES AND CULVERTS

Attach this form to Joint Application for CAMA Major Permit, Form DCM-MP-1. Be sure to complete all other sections of the Joint Application that relate to this proposed project.

1. BRIDGES

- a. Public Private _____
- b. Type of bridge (construction material)
21" CONCRETE CORED SLAB
- c. Water body to be crossed by bridge
SHAKEN CREEK
- d. Water depth at the proposed crossing at MLW or NWL +/- 7.0'
- e. Will proposed bridge replace an existing bridge?
 Yes No
If yes,
 - (1) Length of existing bridge 86 FEET
 - (2) Width of existing bridge 18 FEET
 - (3) Navigation clearance underneath existing bridge +/- 11 FEET
 - (4) Will all, or a part of, the existing bridge be removed? (Explain) ALL OF THE EXISTING BRIDGE WILL BE REMOVED AND REPLACED WITH A NEW BRIDGE
- f. Will proposed bridge replace an existing culvert(s)?
 Yes No
If yes,
 - (1) Length of existing culvert _____
 - (2) Width of existing culvert _____
 - (3) Height of the top of the existing culvert above the MHW or NWL _____

(4) Will all, or a part of, the existing culvert be removed? (Explain) _____

- g. Length of proposed bridge 115 FEET
- h. Width of proposed bridge 39 FEET
- i. Height of proposed bridge above wetlands
9 FEET
- j. Will the proposed bridge affect existing water flow?
 Yes No
If yes, explain _____

- k. Navigation clearance underneath proposed bridge
+/- 11.5 FEET
- l. Will the proposed bridge affect navigation by reducing or increasing the existing navigable opening? Yes No
If yes, explain _____

- m. Will the proposed bridge cross wetlands containing no navigable waters? Yes No
If yes, explain _____

- n. Have you contacted the U.S. Coast Guard concerning their approval?
 Yes No
If yes, please provide record of their action.

2. CULVERTS N/A

- a. Water body in which culvert is to be placed _____
- b. Number of culverts proposed _____
- c. Type of culvert (construction material, style) _____
- d. Will proposed culvert replace an existing bridge?
 Yes No
 If yes,
 (1) Length of existing bridge _____
 (2) Width of existing bridge _____
 (3) Navigation clearance underneath existing bridge _____
 (4) Will all, or a part of, the existing bridge be removed? (Explain) _____
- e. Will proposed culvert replace an existing culvert?
 Yes No
 If yes,
 (1) Length of existing culvert _____
 (2) Width of existing culvert _____
 (3) Height of the top of the existing culvert above the MHW or NWL _____
 (4) Will all, or a part of, the existing culvert be removed? (Explain) _____
- f. Length of proposed culvert _____
- g. Width of proposed culvert _____
- h. Height of the top of the proposed culvert above the MHW or NWL _____
- i. Will the proposed culvert affect existing water flow?
 Yes No
 If yes, explain _____

- j. Will the proposed culvert affect existing navigation potential? Yes No
 If yes, explain _____

3. EXCAVATION AND FILL

- a. Will the placement of the proposed bridge or culvert require any excavation below the MHW or NWL?
 Yes No
 If yes,
 (1) Length of area to be excavated _____
 (2) Width of area to be excavated _____
 (3) Depth of area to be excavated _____
 (4) Amount of material to be excavated in cubic yards _____
- b. Will the placement of the proposed bridge or culvert require any excavation within:
 Coastal Wetlands SAVs Other Wetlands
 If yes,
 (1) Length of area to be excavated _____
 (2) Width of area to be excavated _____
 (3) Amount of material to be excavated in cubic yards _____
- c. Will the placement of the proposed bridge or culvert require any highground excavation?
 Yes No
 If yes,
 (1) Length of area to be excavated 27 FEET
 (2) Width of area to be excavated +/- 80 FEET
 (3) Amount of material to be excavated in cubic yards 232 cy
- d. If the placement of the bridge or culvert involves any excavation, please complete the following:
 (1) Location of the spoil disposal area
TO BE DETERMINED BY CONTRACTOR
 (2) Dimensions of spoil disposal area
N/A
 (3) Do you claim title to the disposal area?
 Yes No
 If no, attach a letter granting permission from the owner.

(4) Will the disposal area be available for future maintenance? Yes No

(5) Does the disposal area include any coastal wetlands (marsh), SAVs, or other wetlands? Yes No

If yes, give dimensions if different from (2) above. _____

(6) Does the disposal area include any area below the MHW or NWL? Yes No

If yes, give dimension if different from No. 2 above. _____

e. Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item d. above) to be placed below MHW or NWL? Yes No

If yes,

- (1) Length of area to be filled _____
- (2) Width of area to be filled _____
- (3) Purpose of fill _____

f. Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item d. above) to be placed within:

Coastal Wetlands SAVs Other Wetlands

If yes,

- (1) Length of area to be filled 28 FEET
- (2) Width of area to be filled 13 FEET
- (3) Purpose of fill ROADWAY FILL

g. Will the placement of the proposed bridge or culvert result in any fill (other than excavated material described in Item d. above) to be placed on highground? Yes No

If yes,

- (1) Length of area to be filled 900 FEET (LENGTH ROADWAY)
- (2) Width of area to be filled 72 FEET (TYPICAL WIDTH)
- (3) Purpose of fill ROADWAY FILL

b. Will the proposed project require the relocation of any existing utility lines? Yes No
If yes, explain in detail _____

c. Will the proposed project require the construction of any temporary detour structures? Yes No

If yes, explain in detail _____

d. Will the proposed project require any work channels? Yes No

If yes, complete Form DCM-MP-2

e. How will excavated or fill material be kept on site and erosion controlled? NCDOT HIGH QUALITY WATER EROSION CONTROL METHODS WILL BE USED

f. What type of construction equipment will be used (for example, dragline, backhoe or -hydraulic dredge)? STANDARD BRIDGE AND ROADWAY CONSTRUCTION EQUIPMENT

g. Will wetlands be crossed in transporting equipment to project site? Yes No

If yes, explain steps that will be taken to lessen environmental impacts. _____

h. Will the placement of the proposed bridge or culvert require any shoreline stabilization? Yes No

If yes, explain in detail _____

4. GENERAL

a. Will the proposed project involve any mitigation? Yes No

If yes, explain in detail _____

NCDOT

Applicant or Project Name

[Signature]

Signature

1/7/05

Date

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Milton J. Humphrey, Jr.
6265 NC Hwy. 53 W
Burgaw, NC 28425

2. Article Number

(Transfer from service label)

7000 1670 0003 2580 8281

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-154

COMPLETE THIS SECTION ON DELIVERY

A. Signature

 Agent Addressee

B. Received by (Printed Name)

M. Hon J. Humphrey

C. Date of Delivery

05/27/04

D. Is delivery address different from item 1? YesIf YES, enter delivery address below: No

3. Service Type

 Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

 Yes**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Frank Humphrey, II
705 East Satchwell Street
Burgaw, NC 28425

2. Article Number

(Transfer from service label)

7000 1670 0003 2580 8298

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

 Agent Addressee

B. Received by (Printed Name)

R F Humphrey II

C. Date of Delivery

5-27-04

D. Is delivery address different from item 1? YesIf YES, enter delivery address below: No

3. Service Type

 Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

 Yes**SENDER: COMPLETE THIS SECTION**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

SP Forests, LLC
15 Gum Avenue
Bolton, NC 28423

2. Article Number

(Transfer from service label)

7000 1670 0003 2580 8274

COMPLETE THIS SECTION ON DELIVERY

A. Signature

 Agent Addressee

B. Received by (Printed Name)

EA II

C. Date of Delivery

5-28-04

D. Is delivery address different from item 1? YesIf YES, enter delivery address below: No

3. Service Type

 Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

 Yes

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MAY 28 2004
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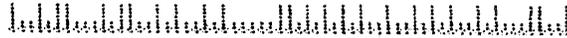


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